

# SCIENTIFIC PROGRAM

## DAY 1: MONDAY, APRIL 1<sup>ST</sup>, 2019

08:00 Registration  
09:00 Welcome talk

### 09:10 Session I – METABOLIC REPROGRAMMING AND ENVIRONMENTAL INDUCERS

**Chairs: Paolo Sassone-Corsi & Sophie Vasseur**

- 09:10 **Keynote lecture:** *Metabolism, epigenetics and the circadian clock*, **Paolo Sassone-Corsi** (University of California, Irvine, USA)
- 09:40 *Metabolic reprogramming and H+ dynamics: new players in environmental carcinogenesis*, **Dominique Lagadic-Gossmann** (IRSET, Rennes, France)
- 10:00 *Plasma metabolomic signatures associated with long-term breast cancer risk in the SU.VI.MAX prospective cohort*, **Mathilde Touvier** (EREN, Bobigny, France)
- 10:20 *Targeting the mitochondrial trifunctional protein in human lung adenocarcinoma*, **Rodrigue Rossignol** (MRGM, Bordeaux, France)
- 10:40 *Nutrient and oxidatif stresses in cancer: role of xCT cystine transporter*, **Daiher Boutana** (Centre Scientifique Monaco)
- 10:55 *GAPDH overexpression in the T cell lineage in vivo leads to a T cell lymphoma*, **Rana Mhaidly** (C3M, Nice, France)
- 11:10 *A new role for cytidine deaminase in pancreatic cancer metabolism*, **Audrey Frances** (CRCT, Toulouse, France)
- 11:25 *The IncuCyte® S3 live-cell analysis system real-time kinetic data and imaging on your 2D monolayer cultures and 3D cell culture models directly from your incubator*, **Mickael Meyrand** (Sartorius)
- 11:35 *A unique in vivo assay for your oncology researches*, **Arnaud Peyronnier** (Inovotion)
- 12:00 **Lunch**
- 13:00 **Session II – METABOLISM, SIGNALING AND METFORMIN/BIGUANIDES**
- METFORMIN/BIGUANIDES**
- Chairs: Jason Locasale & Jean-Emmanuel Sarry**
- 13:00 *Targeting cancer metabolism through diet*, **Jason Locasale** (Duke University, Durham, USA)
- 13:30 *Transaminases are a new class of metabolic switches*, **Marc Billaud** (CRCL, Lyon, France)
- 13:50 *Characterization of new biguanides derivatives with anti-melanoma properties*, **Stéphane Rocchi** (C3M, Nice, France)
- 14:10 *Targeting prostate cancer cell metabolism*, **Frédéric Bost** (C3M, Nice, France)
- 14:30 *Repurposing biguanides in prostate cancer*, **Jenifer Gunter** (Queensland University of Technology, Brisbane, Australia)
- 14:45 *Targeting mitochondrial respiration in pancreatic cancer*, **Rawand Masoud** (CRCM, Marseille, France)
- 15:00 **Break**
- SIGNALING**
- Chairs: Christian Frezza & Laurent Le Cam**
- 15:30 *Novel strategies to metabolically deconstruct aggressive cancers*, **Arkaitz Carracedo** (CIC bioGUNE, Bilbao, Spain)
- 16:00 *Growth pathways that control cellular metabolism*, **Issam Ben-Sahra** (Northwestern University, Chicago, USA)
- 16:20 *The role of mitochondrial dysfunction in cancer*, **Christian Frezza** (University of Cambridge, United Kingdom)
- 16:40 *Cholesterol metabolism and prostate cancer: driver, passenger or both?* **Silvère Baron** (GRED, Clermont-Ferrand, France)
- 17:00 *HMGCL and its product  $\beta$ -hydroxybutyrate promote pancreatic cancer progression*, **Sophie Vasseur** (CRCM, Marseille, France)
- 17:15 *Cell metabolism and integrin mechanosensing crosstalk*, **Chloé Feral** (IRCAN, Nice, France)
- 17:30 *Autophagy regulates lipid availability for oxidative phosphorylation*, **Carine Joffre** (CRCT, Toulouse, France)
- 17:45 *LKB1 in CTNNB1- mutated hepatocellular carcinomas*, **Pierre-Alexandre Just** (Institut Cochin, Paris, France)
- 18:00 **Poster session**
- 20:30 **Gala dinner**

## DAY 2: TUESDAY, APRIL 2<sup>ND</sup>, 2019

### 09:15 Session III – METABOLISM AND TUMOR MICROENVIRONMENT

**Chairs: Marc Billaud & Alice Carrier**

- 09:15 *Metabolic heterogeneity in human ovarian cancers: mechanism and pathological consequence*, **Géraldine Gentric** (Institut Curie, Paris, France)
- 09:45 *Metabolic reprogramming of T cells to optimize effector function*, **Naomi Taylor** (IGMM, Montpellier, France)
- 10:05 *Innate immune functions of mitochondrial reprogramming*, **Johan Garaude** (INSERM U1211, Bordeaux, France)
- 10:25 *Targeting metabolism in glioblastoma: nove sed non nova*, **François Vallette** (INSERM, Nantes, France)
- 10:45 **Break**
- 11:15 *Bone marrow adipocytes: new adipocytes involved in tumor progression?* **Camille Attané** (IPBS, Toulouse, France)
- 11:30 *Unraveling CNS leukemia Achilles heel: SCD1 as a therapeutic target*, **Orianne Olivares** (INMG, Lyon, France)
- 11:45 *Vitamin D limits breast cancer progression*, **Esma Karkenli** (CRCM, Marseille, France)
- 12:00 *Biolog Phenotype MicroArray™: a valuable platform to map the metabolic traits of cancer stem cells*, **Elisabet Cuyàs** (Catalan Institute of Oncology, Girona, Spain)
- 12:25 **Lunch**
- 13:30 **Session IV – METABOLIC APPROACH FOR TRANSLATIONAL STRATEGY**
- Chairs: Jean-Ehrland Ricci & Naomi Taylor**
- 13:30 *Keynote lecture: metabolic plasticity of tumors cells exposed to PDK inhibitors*, **Bernard Gallez** (UCL, Leuven, Belgium)
- 14:00 *Cancer and ciliopathy*, **Nathalie Mazure** (C3M, Nice, France)
- 14:20 *Aberrant identity in cancer: role of the master regulators of the photoreceptor program in medulloblastoma*, **Celio Pouponnot** (Institut Curie, Paris, France)
- 14:40 *Multimodal mass spectrometry imaging applied to cancer tissue section*, **Nicolas Desbenoit** (CBMN, Bordeaux, France)
- 15:00 **Break**
- 15:30 *Metabolic functions of the MDM2 oncoprotein define potential novel treatments for liposarcoma*, **Madi Cissé** (IRCM, Montpellier, France)
- 15:45 *Mitochondrial subtypes and associated metabolic programs allow breast cancer stratification*, **Michela Menegollo** (University of Padua, Italy)
- 16:00 *Targeting metabolism in cancer minimal residual diseases*, **Shensi Shen** (IGR, U981, Villejuif, France)
- 16:15 **Best talks and poster awards**
- 16:30 End of the meeting